

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, APS PUSHBUTTONS AND ASSOCIATED SIGNS AND REPLACEMENT OF A LOOP DETECTOR AT THE INTERSECTION OF MD 337 (ALLENTOWN ROAD) AND THE ENTRANCE TO ANDREWS MANOR SHOPPING CENTER IN PRINCE GEORGES COUNTY. MD 337 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION CURRENTLY OPERATES IN A NEMA FOUR-PHASE FULL-TRAFFIC-ACTUATED MODE WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR NORTH-BOUND MD 337 AND AN ALTERNATE PEDESTRIAN PHASE FOR THE NORTH LEG OF THE INTERSECTION. NO PHASE CHANGES ARE PROPOSED AS PART OF THIS PROJECT.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. AN APS CENTRAL CONTROL UNIT WILL BE INSTALLED BY THE CONTRACTOR

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
5005	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	LF	300
8001	CONCRETE FOR SIGNAL FOUNDATION	CY	2.8
8002	AUDIBLE / TACTILE PEDESTRIAN PUSHBUTTON	EA	4
8003	BREAKAWAY PEDESTAL POLE - ANY SIZE	EA	4
8004	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL	EA	4
8005	PEDESTRIAN EDUCATION SIGN	EA	4
	2 - R10-4(1) MOD (9" X 15" - ALLENTOWN RD)		
	2 - R10-4(1) MOD (9" X 15" - SHOPPING CTR)		
8007	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	140
8008	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	95
8010	RELOCATE EXISTING GROUND MOUNTED SIGN	SF	9
8011	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	3
8013	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	1050
8014	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	1125
NEG	INSTALL GROUND MOUNTED SIGN	SF	45
NEG	APS CENTRAL CONTROL UNIT	EA	1
NEG	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	LF	396
NEG	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	112
NEG	1INCH DIAMETER RIGID STEEL CONDUIT, SCHEDULE 40	LF	15
NEG	WOOD SIGN SUPPORT 4 INCH X4 INCH	LF	90

\* REMOVE AND DISPOSE ITEM IS FOR ALL SIGNALS WHICH ARE PART OF THIS TASK. MOT QUANTITY IS COVERED AS PART OF THE SIDEWALK PLANS.

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND RETURNED TO SHA.  
ALL MATERIALS AND EQUIPMENT REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT # 3 ARE AS FOLLOWS:

MR. BRIAN YOUNG                      MR. AUGIE REBISH  
ASSISTANT DISTRICT ENGINEER-TRAFFIC      UTILITY ENGINEER  
PHONE: (301) 513-7358                      PHONE: (301) 513-7350

MR. WAYNE A. MOWDY  
ASSISTANT DISTRICT ENGINEER-MAINTENANCE  
PHONE: (301) 513-7304

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR.                      MR. ROBERT SNYDER  
CHIEF, TRAFFIC OPERATIONS                      ASSISTANT DIVISION CHIEF  
DIVISION                      TRAFFIC OPERATIONS  
PHONE: (410) 787-7630                      410-787-7630

MR. ED RODENHIZER                      MR. EUGENE BAILEY  
CHIEF, SIGNAL OPERATIONS                      CHIEF, SIGN OPERATIONS  
410-787-7650                      410-787-7676

THE POWER COMPANY IS:

PEPCO  
ROCKVILLE SERVICE CENTER  
201 WEST GUDE DRIVE  
ROCKVILLE, MD 20850  
301-670-8700

EQUIPMENT LIST "A"

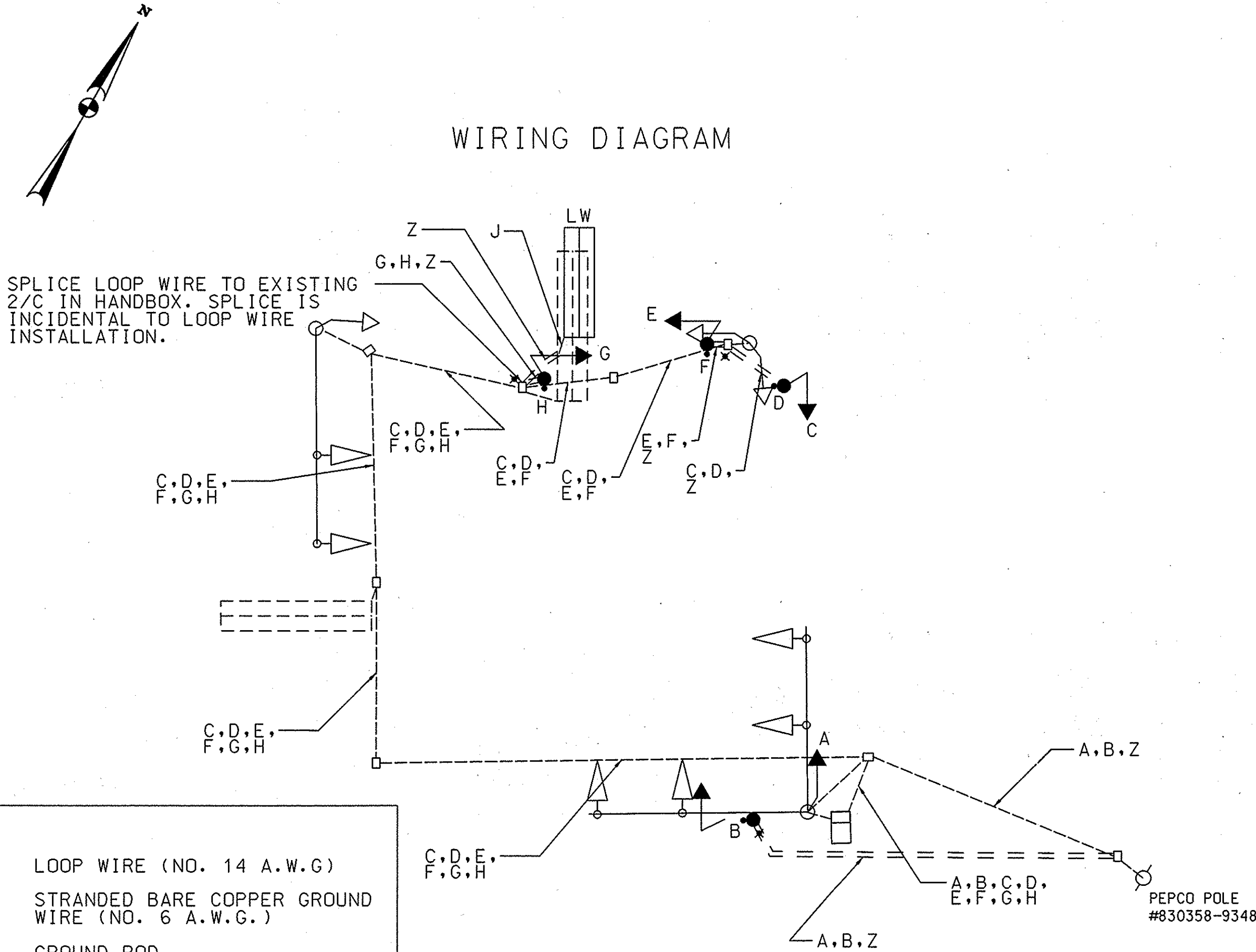
A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
9570	SHEET ALUMINUM SIGNS - GROUND MOUNT CONSISTING OF:	SF	45
	4 - W11-2 (36"X36")		
	4 - M6-2 (21"X15")		

WIRING KEY

A.C.E.G	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)	LW	LOOP WIRE (NO. 14 A.W.G.)
B.D.F.H	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)	Z	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
		x	GROUND ROD

WIRING DIAGRAM



PHASING CHART

NO PHASE CHANGE

SHA CONSTRUCTION NO. PG586A51

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 337 (ALLETOWN ROAD) AT ENTRANCE  
TO ANDREWS MANOR SHOPPING CENTER  
CAMP SPRINGS, MARYLAND

GENERAL INFORMATION SHEET

SCALE NA DATE APRIL, 2007 CONTRACT NO. AX1785133  
DESIGNED BY MRB COUNTY PRINCE GEORGE'S  
DRAWN BY MRB LOGMILE 160.33701.28  
CHECKED BY D.EBY TMS NO. 1509  
FAP NO.                      TOD NO.                     

**RK & K**  
RUMMEL, KLEPPER  
& KAHL, LLP

CONSULTING ENGINEERS

81 MOSHER STREET  
BALTIMORE, MARYLAND 21217

TELE: (410) 728-2900 FAX: (410) 383-3270

TS NO. 1209H-G1 DRAWING - OF SHEET NO. 21 OF 23

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